Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

Claims 1-12 (Canceled).

1	Claim 13 (New). A computer implemented method for creating or
2	manipulating one or more drawings or sets of formatted data representing
3	physical environment, comprising the steps of:
4	a) using a computer for creating, formatting, editing or
5	manipulating one or more objects defining an environment in which an in-
6	building or campus communications network may be deployed, said
7	environment having one or more of floors, walls, partitions, buildings,
8	building complexes or compounds, terrain, foliage, or other sites or
9	obstructions;
10	b) grouping a number of said one or more objects into at least one
11	editable layer;
12	c) verifying, using a computer, the sufficiency of said one or more
13	objects to ensure a useful definition of said environment and notifying a
14	user of results of said verification of sufficiency;
15	d) generating at least one formatted drawing or at least one set of
16	formatted data containing computer representations of said one or more
17	objects in a form transportable to and usable by a communications
18	engineering or network management application; and
19	e) rendering a three-dimensional view of said environment.
1	Claim 14 (New). The method of claim 13 further comprising the step of
2	adding or editing at least one object in said at least one editable layer or in
3	said at least one formatted drawing or in at least one set of formatted data.

1	Claim 15 (New). The method of claim 13 further comprising the step of
2	moving at least one object in said at least one one editable layer or in said
3	at least one formatted drawing or in at least one set of formatted data.
1	Claim 16 (New). The method of claim 13 further comprising the step of
2	modifying at least one object in said at least one editable layer or in said at
3	least one formatted drawing or in at least one set of formatted data.
1	Claim 17 (New). The method of claim 13 wherein said step of a) includes
2	the step of removing extraneous objects from said one or more objects or
3	from said at least one formatted drawing or in at least one set of formatted
4	data.
1	Claim 18 (New). The method of claim 13 wherein said step a) includes
2	the step of tracing and adding a traced object to said one or more objects or
3	more objects or from said at least one formatted drawing or in at least one
4	set of formatted data.
1	Claim 19 (New) The method of claim 13 wherein said step a) includes the
2	step of modifying one or more objects or one of electrical properties,
3	physical properties, aesthetic properties, or spatial configurations of one or
4	more objects.
1	Claim 20 (New). The method of claim 13 wherein said notifying
2	performed in said verifying and notifying step is performed in an automatic
3	fashion without feedback being provided to the user.
1	Claim 21 (New). The method of claim 13 wherein said notifying
2	performed in said verifying and notifying step is performed by prompting
3	the user and, when required to provide said useful definition, requires the

4	user to correct any insufficiencies in response to an insufficiency
5	notification.
1	Claim 22 (New). The method of claim 13 wherein said communications
2	engineering or network management application is selected from the group
3	consisting of wireless propagation models, measurement tools, component
4	placement or layout visualization tools, optimization tools, bill of material
5	generating tools, asset management tools, and network performance
6	management or prediction tools.
1	Claim 23 (New). The method of claim 13 further comprising the step of
2	scaling at least part of said at least one formatted drawing or said at least
3	one set of formatted data or at least one object of said one or more objects.
1	Claim 24 (New). The method of claim 13 further comprising the step of
2	adding measurement data to said at least one of said one or more objects o
3	said at least one formatted drawing or said at least one set of formatted
4	data.
1	Claim 25 (New). The method of claim 13 further comprising the step of
2	specifying or invoking a propagation model for performing predictions of
3	performance.
1	Claim 26 (New). The method of claim 13 further comprising the step of
2	specifying or invoking a listing of communications equipment.
1	Claim 27 (New). An apparatus for creating or manipulating one or more
2	drawings or sets of formatted data representing a physical environment,
3	comprising:

4	computer implemented means for creating, formatting, enting of
5	manipulating one or more objects defining an environment in which an in-
6	building or campus communications network may be deployed, said
7	environment having one or more of floors, walls, partitions, buildings,
8	building complexes or compounds, terrain, foliage or other sites or
9	obstructions;
10	means for grouping a number of objects into at least one editable
11	layer;
12	means for verifying, using a computer, the sufficiency of said one
13	or more objects to ensure a useful definition of said environment and
14	notifying a user of results of said verification of sufficiency;
15	means for generating at least one formatted drawing or at least one
16	set of formatted data containing computer representations of said one or
17	more objects in a form transportable to and usable by a communications
18	engineering or network management application; and
19	means for rendering a three dimensional view of said environment.
1	Claim 28 (New). The apparatus of claim 27 further comprising a means
2	for adding or editing at least one object in said at least one editable layer or
3	in said at least one formatted drawing or said at least one set of formatted
4	data.
1	Claim 29 (New). The apparatus of claim 27 further comprising a means
2	for moving at least one object in said at least one editable layer or in said at
3	least one formatted drawing or said at least one set of formatted data.
1	Claim 30 (New). The apparatus of claim 27 further comprising a means
2	for modifying an object in said at least one editable layer or in said at least
3	one formatted drawing or said at least one set of formatted data in said one
4	layer of grouped objects.

1	Claim 31 (New). The apparatus of claim 27 further comprising a means
2	for removing extraneous objects from said one or more objects or from
3	said at least one formatted drawing or in at least one set of formatted data.
1	Claim 32 (New). The apparatus of claim 27 further comprising a means
2	for tracing and a means for adding a traced object to said one or more
3	objects or to said at least one formatted drawing or in at least one set of
4	formatted data.
1	Claim 33 (New). The apparatus of claim 27 further comprising a means
2	for modifying one or more objects or one or more of electrical properties,
3	physical properties, aesthetic properties, and spatial configurations of one
4	or more objects.
1	Claim 34 (New). The apparatus of claim 27 wherein notifying performed
2	by said means for verifying and notifying is performed in an automatic
3	fashion without feedback being provided to the user.
1	Claim 35 (New). The apparatus of claim 27 wherein notifying performed
2	by said means for verifying and notifying is performed by prompting the
3	user and, when required to provide said useful definition, requires the user
4	to correct any insufficiencies in response to an insufficiency notification.
1	Claim 36 (New). The apparatus of claim 27 wherein said communications
2	engineering or network management application is selected from the group
3	consisting of wireless propagation models, measurement tools, component
4	placement or layout visualization tools, optimization tools, bill of materials
5	generating tools, asset management tools, and network performance
6	management or prediction tools

1	Claim 37 (New). The apparatus of claim 27 further comprising a means
2	for scaling at least part of said at least one formatted drawing or said at
3	least one set of formatted data or at least one object of said one or more
4	objects.
1	Claim 38 (New). The apparatus of claim 27 further comprising a means
2	for adding measurement data to at least one of said one or more objects
3	or said at least one formatted drawing or said at least one set of formatted
4	data.
1	Claim 39 (New). The apparatus of claim 27 further comprising means for
2	specifying or invoking a propagation model for performing predictions of
3	performance.
1	Claim 40 (New). The apparatus of claim 27 further comprising a means
2	for specifying or invoking a listing of communications equipment.